

230

2590

Rase

Max. Cale

312.0 391.68 0.01 0.02 391.69 391.7

CHECKED - S.W.M.

CHECKED - S.W.M.

D.A.B.

DRAWN

LOADING HL-93

Design Specifications: 2010 AASHTO LRFD with all applicable interims.
50#/Sq. Ft. included in dead load for

future wearing surface.

GENERAL NOTES

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.

Fxcavation required to construct the Abutments shall be included

in the cost of Concrete Structures. No additional compensation will be allowed for Structure Excavation.

All proposed construction activities shall be in accordance with Nationwide Permit number 14 of the Department of the Army authorized under Section 404 of the Clean Water Act. The IEPA has issued Section 401 Water Quality Certification for this activity. See Special Provisions for conditions.

SECTION A-A

BUTTER CREEK BUILT 201_ BY EDWARDS COUNTY SEC. 07-06115-00-BR ROAD DISTRICT #6 STR. NO. 024-3138 LOADING HL-93

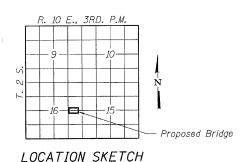
NAME PLATE See Std. 515001

<u>INDEX OF STRUCTURE SHEET</u>S

General Plan & Elevation Superstructure Superstructure Details Steel Railing, Type S-1 Abutments HP Pile Details Borings

Proposed

Abut. Cap



TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL			
Channel Excavation	Cu. Yd.			171			
Stone Dumped Riprap, Class A4	Ton			300			
Removal of Existing Structures	Each			1			
Concrete Structures	Cu. Yd.		23.8	23.8			
Concrete Encasement	Cu. Yd.		2.8	2.8			
Precast Prestressed Concrete Deck Beams (21" Depth)	Sq. Ft.	1,320		1,320			
Reinforcement Bars	Pound		2,560	2,560			
Steel Railing, Type S1	Foot	108		108			
Furnishing Steel Piles HP10x42	Foot		240	240			
Driving Piles	Foot		240	240			
Name Plates	Each		1	1			

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO LRFD Specifications."





GENERAL PLAN AND ELEVATION STRUCTURE NO. 024-3138

HAMPTON, LENZINI AND RENWICK, INC. CIVIL ENGINEERS - STRUCTURAL ENGINEERS - LAND SURVEYORS
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
217.546.3400 www.hlrengineering.com 184.000959
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

PROJECT NUMBER: 09.0007.130

SHEET NO. 1 8 SHEETS

TOTAL SHEETS NO. COUNTY T.R. SECTION **EDWARDS** 12 185 07-06115-00-BR CONTRACT NO. 95633 ROAD DISTRICT #6 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu. Yd.			171
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Driving Piles	Foot		240	240
Name Plates	Each		1	1

Item W. M Legindon & /3
ILLINOIS STRUCTURAL NO. 081-606

Expires 11-30-2010